Electronic Acknowledgement Receipt					
EFS ID:	5358770				
Application Number:	10750408				
International Application Number:					
Confirmation Number:	4663				
Title of Invention:	APPARATUS AND ASSOCIATED METHODS TO PERFORM SPACE-FREQUENCY INTERLEAVING IN A MULTICARRIER WIRELESS COMMUNICATION CHANNEL				
First Named Inventor/Applicant Name:	Sumeet Sandhu				
Customer Number:	45209				
Filer:	Mark L. Watson/April Worley				
Filer Authorized By:	Mark L. Watson				
Attorney Docket Number:	042390.P18465				
Receipt Date:	19-MAY-2009				
Filing Date:	31-DEC-2003				
Time Stamp:	12:33:03				
Application Type:	Utility under 35 USC 111(a)				

# **Payment information:**

Submitted with Payment	no
------------------------	----

## File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)	
1	Transmittal Letter	P18465IDS2.pdf	51451 5cdbff9f12932bedfb1abae39d196769335d 674a	no	2	

## **Warnings:**

## Information:

2	Information Disclosure Statement (IDS)	P18465SB08.pdf	32787	no	1			
Filed (SB/08)	r 104033808.pui	5ac19a0b7deee63639611820fe1ad218692 7bc2c		'				
Warnings:								
Information	Information:							
This is not an USPTO supplied IDS fillable form								
3	NPL Documents	P18465Ref.pdf	541275	. no	17			
3 NI E Bocuments	, , , , , , , , , , , , , , , , , , , ,	383c50cd0ce352c21de9e75dc7d27dca18a 845a9						
Warnings:								
Information:								
	Total Files Size (in bytes			625513				

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

#### New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

### National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

### New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.